

ABSTRACT OF THE DISCLOSURE

A reflective sensor for detecting the presence or absence of the subject to be detected at the detecting position. The reflective sensor is provided with a sensor portion and a filter.

5 The sensor portion includes a light-emitting element that emits light at the detecting position and a light-receiving element that receives light reflected on the subject and generates an electrical signal corresponding to a quantity of received light. The filter is disposed between the sensor portion and the

10 detecting position. The filter is made of a light-transmitting material capable of transmitting light heading to the detecting position from the light-emitting element and light heading to the light-receiving element from the subject, and prevents intrusion of dust into the sensor portion. The surface of the

15 filter on the sensor portion side is formed into a tapered shape having a first inclined plane opposing the light-emitting element, a second inclined plane opposing the light-receiving element, and a ridge portion formed where the first and second inclined planes meet. The ridge portion extends in between the

20 light-emitting element and the light-receiving element.